

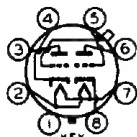


6F8-G

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## TWIN-TRIODE AMPLIFIER

Heater	Coated Unipotential Cathodes	
Voltage	6.3	a-c or d-c volts
Current	0.6	amp.
Direct Interelectrode Capacitances (Approx.): <sup>o</sup>		
	<u>Triode Unit <math>T_1</math></u>	<u>Triode Unit <math>T_2</math></u>
Grid to Plate	3.8	3.2 $\mu\text{f}$
Grid to Cathode	3.2	1.9 $\mu\text{f}$
Plate to Cathode	1.0	1.9 $\mu\text{f}$
Maximum Overall Length		4-15/32"
Maximum Seated Height		3-29/32"
Maximum Diameter		1-9/16"
Bulb		ST-12
Cap		Skirted Miniature
Base		Small Shell Octal 8-Pin
Pin 1 - No Connection		Pin 6 - Plate $T_1$
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Plate $T_2$		Pin 8 - Cathode $T_1$
Pin 4 - Cathode $T_2$		Cap - Grid $T_2$
Pin 5 - Grid $T_1$		
Mounting Position	Any	



BOTTOM VIEW (G-8G)

For convenience, one triode unit is identified as  $T_1$ ; the other as  $T_2$

Maximum And Minimum Ratings Are Design-Center Values

## AMPLIFIER - Each Unit

Plate Voltage		300 max. volts
Grid Voltage		0 min. volts
Plate Dissipation		2.5 max. watts
Characteristics — Class $A_1$ Amplifier:		
Plate	90	250 volts
Grid	0	-8 volts
Amp. Fact.	20	20
Plate Res.	6700	7700 ohms
Transcond.	3000	2600 $\mu\text{mhos}$
Plate Cur.	10	9 ma.

## Typical Operation with Resistance Coupling:

See RESISTANCE-COUPLED AMPLIFIER CHART.

- In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
- ° With no external shield.

Curves under Type 6J5 apply to each unit of the 6F8-G.

← Indicates a change.

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DATA